

Title (en)  
REGENERATION OF IRON-BASED HYDROGEN SULFIDE SORBENTS

Title (de)  
REGENERIERUNG VON HYDROGENSULFIDSORBENTIENAUF EISENBASIS

Title (fr)  
REGENERATION DE SORBANTS DE SULFURE D'HYDROGENE A BASE DE FER

Publication  
**EP 1322729 A4 20040929 (EN)**

Application  
**EP 01952852 A 20010719**

Priority  
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• US 62079600 A 20000721

Abstract (en)  
[origin: WO0208362A1] A process to regenerate iron-based hydrogen sulfide sorbents using steam. The steam is preferably mixed with hydrogen-containing gas and/or an inert gas, such as nitrogen. In a preferred embodiment, the sorbent is first exposed to the steam and then exposed to a hydrogen-containing gas at regeneration conditions.

IPC 1-7  
**C07C 7/12**; **B01J 20/34**; **B01J 38/04**; **B01J 38/10**; **B01J 38/12**; **C10G 45/04**; **C10G 45/06**; **C10G 45/08**; **C10G 45/10**; **B01J 20/00**; **C10G 45/00**; **C07C 7/00**

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**B01J 20/02** (2006.01); **B01J 20/34** (2006.01); **B01J 23/89** (2006.01); **B01J 23/94** (2006.01); **B01J 38/06** (2006.01); **B01J 38/10** (2006.01); **C10G 25/00** (2006.01); **C10G 29/04** (2006.01); **C10G 45/04** (2006.01); **C10G 45/08** (2006.01); **C10G 45/10** (2006.01); **C10G 45/62** (2006.01); **C10G 65/04** (2006.01)

CPC (source: EP US)  
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